

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

Client ID:	M98202	Client:	Alaskan Copper Works
Date Received:	02/23/06	Project:	Metro Self Monitor, PO# M98202
Date Extracted:	03/01/06	Lab ID:	602209-01 10x
Date Analyzed:	03/01/06	Data File:	602209-01 10x.026
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	96	60	125
Germanium	81	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	620
Nickel	878
Copper	768
Zinc	171



# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro Self Monitor, PO# M98202
Date Extracted:	03/01/06	Lab ID:	I6-168 mb
Date Analyzed:	03/01/06	Data File:	I6-168 mb.020
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	77	60	125
Germanium	98	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<10
Nickel	<10
Copper	<10
Zinc	<20



# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 03/07/06

Date Received: 02/23/06

Project: Metro Self Monitor, PO# M98202, F&BI 602209

### QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 602241-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	<1	<1	nm	0-20
Nickel	ug/L (ppb)	2.10	1.39	41 a	0-20
Copper	ug/L (ppb)	<1	<1	nm	0-20
Zinc	ug/L (ppb)	<2	<2	nm	0-20

Laboratory Code: 602241-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	<1	79	50-150
Nickel	ug/L (ppb)	20	2.10	81	50-150
Copper	ug/L (ppb)	20	<1	85	50-150
Zinc	ug/L (ppb)	50	<2	103	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	120	70-130
Nickel	ug/L (ppb)	20	130	70-130
Copper	ug/L (ppb)	20	128	70-130
Zinc	ug/L (ppb)	50	101	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.



602209

## SAMPLE CHAIN OF CUSTODY

ME 2/23/06 AI4

Send Report To Gerard Thompson  
 Company Alaskan Copper Works  
 Address 628 S. Hancock St  
 City, State, ZIP Seattle WA 98134  
 Phone # 206-382-8379 Fax # 206-382-4809

SAMPLER (signature) <u>[Signature]</u>	
PROJECT NAME/NO. <u>METRO SELF monitor</u>	PO # <u>M 98202</u>
REMARKS	

Page # \_\_\_\_\_ of \_\_\_\_\_

TURNAROUND TIME	
<input type="checkbox"/> Standard (2 Weeks)	
<input type="checkbox"/> RUSH	
Rush charges authorized by: _____	
SAMPLE DISPOSAL	
<input type="checkbox"/> Dispose after 30 days	
<input type="checkbox"/> Return samples	
<input type="checkbox"/> Will call with instructions	

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	706 Cu, Ni, Pb				
M 98202	01	2/23/06	12:30	H2O	1											

Friedman & Bruya, Inc.  
 3012 16th Avenue West  
 Seattle, WA 98119-2029  
 Ph. (206) 285-8282  
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>GERARD Thompson</u>	<u>ACW</u>	<u>2/23/06</u>	<u>1:50pm</u>
Received by: <u>[Signature]</u>	<u>HONG NGUYEN</u>	<u>FBI</u>	<u>1</u>	<u>1</u>
Relinquished by:				
Received by:				



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
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Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

March 7, 2006

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on February 23, 2006 from the Metro Self Monitor, PO# M98202, F&BI 602209 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
ACU0307R.DOC